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PTO/SB/01 (3-97) Approved for use through 6/30/98. OMB 0651-0032

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UTILITY OR I		First Named In							
PATENT APPLI			COMPLETE IF KNOWN						
·		Application No							
☐ Declaration	☐ Declaration	Filing Date							
submitted with or	submitted after	Group Art Unit	t						
initial filing	initial filing	Examiner Name	.e						
As a below named inventor,	I hereby declare tha	ıt:							
My residence, post office add	,		_						
I believe I am the original, fi inventor (if plural names are on the invention entitled:	rst and sole inventor listed below) of the	r (only if one name subject matter whi	is listed belo ch is claimed	ow) or an original, fill and for which a pa	irst and joint itent is sought				
PIXEL CIRCU	UIT, DISPLAY		PIXEL C						
	(T	itle of the Invention	ı)						
the specification of which is attached hereto									
	·r 10 .			·					
or Novembe was filed on 200	4 , as United State	es Application Nun	aber or PCT	International Applic	cation Number:				
PCT/J <u>P2004</u> and was am 016640	ended on	(if applica	ıble).						
I hereby state that I have revi	iomed and understar	ad the contents of th	sharra ider	Life of amonification	in also dim a tha				
claims, as amended by any a	mendment specifica	Ilv referred to abov	le ann a iam	innea specimeanon,	, including the				
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I acknowledge the duty to dis	sclose information v	which is material to	patentability	as defined in Title	37, Code of				
Federal Regulations § 1.56.	· .								
I hereby claim foreign priorit	ty benefits under Tit	ile 35, United States	s Code §119	(a)-(d) of any foreig	gn				
application(s) for patent or in	iventor's certificate,	or § 365(a) of any	PCT internat	tional application w	hich				
designated at least one count below, by checking the box,	ry other than the ou	ited States of Affici	rica, listed oc	low and have also i	dentitied				
international application havi	ing a filing date before	ore that of the appli	vertion on wh	llicate, or or any re-	and T				
Prior Foreign Application Number(s)	· Country	Foreign Filing Date	Priority		Copy Attached				
2000 200171	<u> </u>	(MM/DD/YY)	Not Claim		NO NO				
2003-380171 PCT/JP2004/016640	Japan .	11/10/2003		-	H				
PCT/JPZUU4/U1004U	WO	11/10/2004		─ ┤	님				
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Additional foreign application numb					<u> </u>				
I hereby claim the benefit under Title 35	5, United States Code §119((e) of any United States pro	ovisional applicati	ion(s) listed below.					
Application Number (s)		(MM/DD/YY)		ditional provisional					
* **	5			numbers are listed					
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				ched hereto.	,				
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	<u>J</u>	DECLAR!	ATION - Ut	ility	Or Design Pate	ent Applicat	ion			
I hereby claim the benefit	under Title 35	J. United State	es Code §120 o	of any	United States application	ation(s) of any I	PCT Int	ternational applic	ation	ı designating
the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the matter provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to								ne duty to		
disclose information which	ch is material to	o patentability	as defined in T	Title 3	37, Code of Federal R	Regulations § 1.5	56 whic	h became availat	ole be	etween the
filing date of the prior app U.S Parent Appli	PCT international fill Parent		ling date of this applie Parent Filin		 ,	Parant Datan	4 AT			
Number	Cation		umber		(MM/DD/Y		J	Parent Paten <i>(if applic</i>		
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Additional U.S. or Po	CT internation	al application	numbers are li	sted (I on a supplemental pric	ority data sheet	יפ/סדמ	P/02B attached h	areto	
As a named inventor, I her	reby appoint th	he following re	egistered practi	itione	r(s) to prosecute this	application and	to tran	sact all business i	in the	Patent and
Trademark Office connect	ed therewith:		r Number			•••				
		or Register	ed practitioner	(s) na	ame/registration numb	per listed below		23353		
		Reg	gistration	\top	· · · · · · · · · · · · · · · · · · ·		7	Registr	ratic	าท
Name			Number		Name		Number			
John E. McGarry		22,360		Joel E. Bair				33,356		
H. Lawrence Smith		24,900			ichard D. Grauer			22,388		
Ralph T. Rader		28,772		1	Michael D. Fishman		31,951			
Joseph V. Coppola, Sr. Michael B. Stewart		33,373			Mark A. Davis Stefan V. Chemielewski		37,118			
Alexander D. Rabinovi	ch	36,018 37,425			tefan V. Chemiele ristin L. Murphy	WSKI	39,914 41,212			•
Kevin D. Rutherford	511	40,412		•	avid K. Benson			314		
Glenn E. Forbis		40,610			hristopher M. Tan	mer	41,			
Ronald P. Kananen		24,104		R	obert S. Green	•	41,			
Matthew J. Russo		41,282		B	rian K. Dutton		47,2	255		
G. Thomas Williams		42,228					l			
Additional registered practice	ctitioner(s) nan	ned on supple	mental Registe	ered P						
Direct all corresponde					23353	or C	orresp	ondence Add	ress	below
A 44		or Bar Code								
Attorney Firm Name		. Kananen,								
Address		shman & C Street, N.W	Grauer PLI	<u> </u>						
City, State, Zip		on, D.C. 200								
City, State, Zip Country	US Wasningto		elephone	\neg	202-955-3750	Fax		202-955-375		
I hereby declare that all state								rion and belief are) I • beli	leved to be
true; and further that these st imprisonment, or both, unde application or any patent issu	tatements were r Section 1001	made with the	ie knowledge th	hat wi	illful false statements	and the like so	made a	are punishable by	fine	or
Name of First Invento			T □ A pe	titio	n has been filed f	for this unsig	med ir	nyentor		·
Given Name	<u> </u>	منظظام [نوم		tition has been filed for this unsigned inventor Family Name or Surname						
	пур	\dashv			me or	r Surname				
Katsuhide			f		UC.HINO	 -		x		
Inventor's Signature Residence: City		afarted		V			Date	17pril.		2006
 	Kana	agawa	State		Country	Japan		Citizenship		Japan
Post Office Address				N, 7	7-35, KITASHIN	NAGAWA 6	-CHC			WA-KU
City		kyo	State	Ļ	Zip	141-00		Country	J	apan
Name of Second Inventor A petition has been filed for this unsigned inventor										
Given Name (first and middle [if any])						Family Na	me or	Sumame		·
Junichi		Λ/-			YAMASHI		•	 		
Inventor's Signature		hmich	Vorm	ras	hita		Date	d April C	<u>-</u> د	2006
Residence: City	Ток		State		Country	Japan	·	Citizenship		Japan
Post Office Address		c/o SONY CORPORATION, 7-35, KITASHINAGAWA 6-CHOME, SHINAGAWA-KU								
City	Tok	.yo	State	į .	Zip	141-00	001	Country	ال	apan

Name of Third Inventor		ПАт	petition has	been filed f	or this unsigned	1 inventor			
Given Name (first and middle [if any])				on has been filed for this unsigned inventor Family Name or Surname					
Tetsuro				YAMAMOT					
Inventor's Signature	1 Tetsuro	- 400	u am o to		D	ated April.	5 2006		
Residence: City	Kanagawa	State	1	Country	Japan	Citizenship	Japan		
Post Office Address	c/o SONY COF	RPORATI	ION, 7-35,	KITASHIN		HOME, SHINA	, –		
City	Tokyo	State		Zip	141-000	-,	Japan		
Name of Forth Inventor		□ A p	etition has	been filed f	or this unsigned	l inventor			
Given Name (fir	rst and middle [if a				Family Name				
					•				
Inventor's Signature		•			D:	ated			
Residence: City		State		Country		Citizenship			
Post Office Address									
City		State		Zip		Country			
Name of Fifth Inventor		ПАр	etition has	been filed fo	or this unsigned	l inventor			
Given Name (fir	st and middle [if a				Family Name				
<u> </u>									
Inventor's Signature					Da	ited			
Residence: City		State		Country	T -/-	Citizenship			
Post Office Address			' .				 .		
City		State		Zip		Country	·		
Name of Sixth Inventor		☐ A pe	etition has	been filed fo	or this unsigned	inventor			
Given Name (fire	st and middle [if a	ny])			Family Name	or Surname			
T							. 9		
Inventor's Signature					Da	ted			
Residence: City		State		Country		Citizenship	-		
Post Office Address		 							
City	Shinagawa-Ku	State	<u> </u>	Zip		Country			
Name of Seventh Inventor			etition has b	peen filed fo	r this unsigned	inventor			
Given Name (firs	st and middle [if ar	ny])		·	Family Name	or Surname			
Inventor's Signature									
Residence: City		State		Country	Da				
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Name of Eighth Inventor		·	<u> </u>	لـــــا					
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(· and imedia [if the	21/	TIGHT	-	ranning Ivanie	or Surname			
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